A.N.A.R.T.S. News Bulletin 1341 27 Mar 05.

Cols Column

Cooke and Wheatstone. Part Nine.

Wheatstones 'ABC' telegraph was used on the Great Western Railway for a time, with success, and also by private companies. It could be used by unskilled operators, but its biggest disadvantage was its speed of operation. The Needle telegraph could be operated by skilled operators at a much faster rate, using morse code, deflection left for a dot and deflection right for a dash. The ABC was gradually phased out in favour of the needle system on all the various railway companies in Britain.

Wheatstone however did not give up on his system, making improvements to it in 1856 and by 1860 the ABC was in wide use by British private telegraph companies.

Before leaving Cooke and Wheatstone, though we will return to them in a few weeks time, mention should be made of another device designed and built by Wheatstone, and is the forerunner of the modern Teleprinter.

Wheatstone always laid great importance on ease of operation of telegraphs, and went a step further than his ABC system. He constructed a machine in which rotating type was pressed down onto a moving strip of paper. Each character typed corresponded to the signal or electrical impulses being received from line in the same manner as Teleprinters. He took out British patent number 9022 in 1841. Apparently the speed of operation was again lower than that of the needle telegraph. This was probably due to the lack of a modern keyboard.

Wheatstone only constructed two of these machines, one is in the science museum in London and the other in the Royal Scottish Museum in Edinburgh.

Next week we begin looking at some of the English competitors of Cooke and Wheatstone.

Till then, have a wonderful Easter holiday, I hope the Easter Bunny brings you some nice Easter Eggs, don't eat them all at once...

73's, Col VK2CTD.

IDENT DE VK2CTD VK2CTD

IPS Weekly Solar and Geophysical Report 17/23rd Mar.

SUMMARY

Date	17	18	19	20	21	22	23	
10cm flux	101	96	93	89	90	87	88	
AFr index	8	6	9	4	5	2	(6 estimated)	
Aaus index	--	--	7	4	7	2	(4 estimated)	

T index 78 60 52 60 51 45 48

Solar flare activity was low on 19th and very low otherwise.

Geomagnetic activity observed for the Australian Region was
quiet on 20th 22/23rd and quiet to unsettled on 17/19th
and 21st.

Southern Australian Ionospheric F2 critical frequencies were
enhanced 20/30 percent on 17th enhanced 15 percent on 18th
near predicted to 45 percent enhanced on 19th enhanced 15/25
per ent on 20th near predicted to 25 percent enhanced on 21st
and near predicted on 22/23rd.

Forecast for 24/30th Mar

Solar activity should be low with a possible chance for isolated
low level flares.

Geomagnetic activity should be mostly quiet to unsettled with
active periods expected 25/26th due to a coronal hole.

Frequencies: should be depressed 15 percent briefly after local
dawn on 26th otherwise near normal. No Short Wave Fadeouts are
expected.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

IDENT DE VK2CTD VK2CTD

VK2SG RTTY DX NOTES FOR WEEK ENDING 24 MAR

Our information this week came from GU0SUP I5FLN DJ3IW NG3K
and OH2AQ's DX Summit. Thank you all.

Bandpass

Friday 18
1209-14084 EA8FE
1242-14080 JT1CO
1430-18104 VQ9LA
1556-14081 CN2R
1605-14084 TF3GC
1609-14083 GD0TEP
1734-14085 XU7ABN
1822-18101 EA8/DL3KVR
1836-14084 4S7AB
2014-14085 OX3DB
2057-14080 ZS6PVT
2229-14085 KP2/K9BZ
2356-18100 HP2AT

Saturday 19
0016-14087 HR1RMG
0154- 7082 HI3TEJ
0233-21087 VR2XLN

0249-21082 YC3MM
0309-14082 8P2K
0330-14080 JT1CO
0344-14091 VR2BG
0400- 7031 8P2K
0423- 7032 9H3MR
0440-21081 UN8PO
0616- 7034 EA8/DJ1OJ
0728-28088 JT1CO
0732-14090 T77CD
0754-14093 TF3HP
0803-28080 VR2BG
0910-21076 JT1CO
0817-28084 ZC4LI
0857-21080 4L1DA
0901-21084 ZL2AMI
0919-21090 T77CD
1010-14084 Z31MM
1015-21077 HL5BLI
1016-14078 UN7GCE
1057-21077 4X0L
1114-21086 DS2OQF
1117-21078 UN8PO
1124-21076 CX7BF
1135- 7035 CM2ZK
1138-14076 9H3LEO
1153-14086 EU1MM
1154- 7037 HL5BLI
1225-14100 J88DR
1239-14085 T77CD
1241-21085 4X6UO
1247-21080 ZC4LI
1248-21080 KP4JRS
1302-21084 TF3W
1324-21085 NP4BM
1330-14091 HS1PDY
1400-14075 4K6DI
1411- 7036 HS1PDY
1428-14106 JT1CO
1453-14094 HL3AHQ
1500-14108 EA8/DJ1OJ
1501-14107 HL5BLI
1502-14078 4X0L
1513-21085 8P2K
1525-18102 VQ9LA
1545-14083 IS0HQJ
1625-18101 OX3DB
1726-14087 KH6GMP
1752-14093 UN7GCE
1754-14097 UN8PIM
1819-14075 OD5WPX
1927-21083 YV5AAX
1937- 7044 ZC4LI
2012- 7035 T77CD
2041- 3579 ZC4LI
2048-14095 GD0TEP
2204-21084 FO5PS
2211-28084 ZL2AMI
2248-14085 HR1RMG/HR6

IDENT DE VK2CTD VK2CTD

Sunday 20
0022-14086 KH6GMP
0051-18101 HP2AT
0216- 3580 4K6DI
0226- 7048 HI3TEJ
0556-14097 4X6UU
0734- 7042 GU0SUP
0746-14102 ZC4LI
0758-21083 ZL2AMI
0911- 7036 Z32PT
0921-21090 EA8/DJ1OJ
0947-21081 VU2TRI
0957-21084 4X6UO
0959-14085 T77CD
1012-28083 T77CD
1051-21079 TF3KX
1052-21093 HL3AHQ
1108-14078 9H3LEO
1110-14084 TA1BM
1114-14097 JT1CO
1123-14090 IS0HQJ
1125-14085 Z31MM
1132-14075 GD0TEP
1140-21074 CX7BF
1146-14107 GU0SUP
1158- 7036 JT1CO
1219-21091 EA8/DL3KVR
1223- 7038 T77CD
1239-21079 ZC4LI
1433-21080 NP4BM
1451-21106 J88DR
1513-21088 T77CD
1601-14091 YB2EMK
1611-21098 CN8KD
1651- 7042 XU7ABN
1741-21089 XE1YMY
1828-14088 KH6GMP
1947-21090 ZL2AMI
1956-18101 KP4SQ
2036-28085 FO5PS
2039-28085 NP4BM
2041- 7027 VR2BG
2054-28086 ZL2AMI
2100- 7036 4X6UU
2244-14080 HR1RMG/HR6
2251-14079 KL1RO
2259-14094 VR2BG
2345- 7043 TF3KX

IDENT DE VK2CTD VK2CTD

Monday 21
0049-21084 FO5PS
0103- 7045 VU2WAP
0113- 7037 J88DR
0135-14093 XE1L

0148- 7043 KP4JRS
0154-14082 KH6GMP
1319-14088 KP4FKN
1359-21085 CE3CDV
1556-21079 9G5OO
2151-14085 XU7ABN

Tuesday 22
0016-14086 CE3CDV
0555-14084 UN8PIM
0757-24923 VQ9LA
1344-14080 OX3HX
1354-14082 YB0JIV
1506-14082 UN7PYL
1609-21081 9G5OO
1635-14084 C38LM
1719-14091 CU3AA
1742-14082 ZB2/GM4FDM
1840-14083 9H3MR
1909-14086 EW3AAL

Wednesday 23
0235- 7082 KP4WS
0327- 7088 KH6/AA6YQ
0920-14085 CE3CDV
1015-18099 9H3MR
1111-21082 ZB2/GM4FDM
1222-14084 UK8OAR
1238-14085 VR2XLN
1401-14083 UN8PIM
1410-21084 E20KIR
1427-14085 VR2XLN
1626-18104 9H3LEO
1642-14084 TF3FK
1715-18099 SU1SK
1731-14085 XU7ABN
1738-14083 ZB2/GM4FDM
1756-18097 V44/N1DL
1812-18104 FM5JC
1858-14090 CU3AA
2006-10127 OD5/SP5LKN
2039- 3589 ES70V
2046-14084 ZB2/GM4FDM
2218-14084 XU7ABV
2223- 3585 9H3LEO

Thursday 24
0022-10140 OM5XX
0512- 7046 CE3CDV
1108-24900 9G5OO
1242-14086 OY4TN
1340-14087 HF4IARU
1459-14078 VR2XLN
1512-14085 9H3LEO
1531-18105 ZB2/GM4FDM
1537-14082 HC5T
1612-14079 XX9BB
1636-14086 TF3AO
1640-14087 YL380FW
1750-14091 UN6G
1903-14082 CU3AA
2013-18102 KP4SQ
2051-14076 VK1AA

2210-10138 ZB2/GM4FDM

IDENT DE VK2CTD VK2CTD

Notes of Interest:

Kerguelen, FT5X - Look for the FT5XO DXpedition to start RTTY any time now.

The VK2SG RTTY DX NOTES are distributed every week via the Winlink network and are also available on the Internet at URL http://mailman.qth.net/pipermail/vk2sg-rtty/ and the digital-dx reflector. To subscribe to the digital-dx reflector send an email message to majordomo at mla.nifty.ne.jp as follows: Subject:(blank) Message Body: subscribe digital-dx For next weeks bulletin send your bandpass and notes of interest to Phil GU0SUP at email pcooper at guernsey.net

GL with RTTY DXing Don AA5AU

IDENT DE VK2CTD VK2CTD

The Ohio/Penn DX Bulletin 702 excerpts

3D2, FIJI (IOTA Op)
Brian N6IZ will be active as 3D2IZ from Namotu Island (OC-121) Mar 26 thru Apr 5. Activity will be on 80/40/20/15/10 meters and entry in the CQ WW SSB Contest. His activity will also be scheduled around his main purpose which is surfing. Visit his interesting Web page to view his posted schedule and operating frequencies at http://www.n6iz.com QSL direct to N6IZ (QRZ.com).

C6, BAHAMAS
Duncan EA5ON will once again be active from Freeport as GM7CXM/ C6A. His provisional dates are from May 26 to May 30. As in previous years this is a business trip but he hopes to be fairly active on 80-10 meters mostly on SSB but also some digitals, and perhaps participating a bit in the CQWW WPX CW Contest. The IOTA reference is NA-080 (Grand Bahama Island). QSL via EA5ON, direct or via the bureau.

DX0, SPRATLY ISLAND
Operators Gil/4F2KWT Ed/4F1OZ and Eddie/DU1EV were expected to leave for Palawan Island this past Fri Mar 18 and take a plane (if available) the next day to Pag-Asa Island (in the Spratly Island Group). Apparently the plane was not available because no DX0K signals were heard this past weekend. The team anticipates taking a ship on Mar 25 and will arrive on the island on Mar 27. However they expect to leave the island by the end of Mar. These trips to the Spratly are not commercial ships and they have no control over the scheduling because these are military transports. Since they are civilians the ride to Spratly is only on a space available basis. Eddie/DU1EV informed OPDX that this operation will be a DXpedition and a medical mission at the same time. Gil/4F1OZ is a doctor Ed/4F2KWT is a nurse and Eddie/DU1EV is a

lawyer (he jokes.. just in case there is a malpractice suit).
Activity should be on 160-6 meters. Their special project this
time will be 6 meters EME during the moon rise and moon set
using digital mode WJST. The team will work with a six or seven
element beam and 300 watts.

FT5X, KERGUELEN ISLAND
The Microlite Penguins DXpedition Team is now active as about
0630z Mar 20. The following was a press release sent out by George
K5TR Mar 20: Port Jeanne D'Arc, Kerguelen The Microlite Penguins
DXpedition Team will be QRV today on the Kerguelen Islands
located in the sub-Antarctic region of the Indian Ocean. The New
Zealand based R/V Braveheart used during ZL9CI VP8THU VP8GEO and
VP6DI expeditions is again be supporting the team for the duration
of this 30 day trip. Departure was from Durban South Africa and
the end destination is Fremantle Western Australia. The team
expects to be operational here from the 20 of Mar thru 1 ApR.
Callsign is FT5XO. A team of twelve operators representing seven
nations will be participating in this long trip. Operators are
AG9A HB9ASZ GI0NWG M0DXR N6MZ N0TT SP5XVY VE3EJ VK6DXI W3WL W7EW
and 9V1YC. All team members are experienced contesters or
DXpeditioners and 7 out of the 12 are veterans of at least one
previous Antarctic regional DXpedition. In order to maximize band
openings we will have the ability to run up to 7 stations at once.
Operations will take place on all bands from 160m-6m using CW SSB
and RTTY. There will also be operation on PSK-31 and EME. The
team has two Battle Creek Special verticals for 40 80 and 160m
single 1/4 wave verticals each for 30m and 40m plus a full set
of monoband vertical dipoles for 20m and up. All 1/4 wave verticals
and vertical dipoles were constructed and supplied in South Africa
by ZS4TX.

FY, FRENCH GUIANA (Fort Activity)
Members of the FY5KAC ARS will be in the Cayenne area to activate
Fort Ceperou during the Easter weekend. The activity will start
Mar 26 in the morning and end Mar 28 in the evening. Operations will
be on HF SSB CW and may be PSK. (2 stations are expected to be on
the air.) The activity is also valid for the French Forts and
Castles Award (DFCF FY002). QSL via the REF French Bureau or direct
(SAE+-Postage) to ARCG (Association Radio Club Guyane) BP 9271
97392 Cayenne cedex, FRENCH GUIANA.

IOTA NEWS

EU-023. (Update) Karl OE3JAG will be active from Gozo Island between
May 2-6 His callsign will be 9H/AKg- or 9H3JAG. Activity will between
(about) 1200-1600z. Operations will be QRP with a dipole or long wire
and mainly on CW PSK and RTTY on the WARC bands. QSL via his home
callsign. Visit his Web page at http://www.oe3jag.com

EU-045. Members of the MDXC Roberto/IK8BIZ Alfredo/IZ8DEP and Luciano
/IK8RRY will be active as IB0CW from Ventotene Island (MIA: MI-118
and IIA: LT-011) Apr 2-4. Activity will be on 80-6m CW RTTY PSK and
SSB. QSL via the bureau or direct to IK8RRY LUCIANO LUONGO Via Degli
Innamorati No. 143, 80014 GUGLIANO, NA, ITALY. Also, visit the
following Web page at http://www.mdxc.org/ib0cw/

IDENT DE VK2CTD VK2CTD

OX, GREENLAND (Updated)
Retu OH4MDY who is a member of the Pieksamaen Radioamatoorit (OH4AB) team informed OPDX that he has received his own callsign for the upcoming Mar 23-30 operation. His callsign will be OX3RZ. The other team members Anni/OH4JGE and Lasse/OH4HJI will still sign as OX/(own call). Remember Retu will be in the CQ WPX SSB Contest. QSL via CBA to OH4MDY.

OZ5, DENMARK (Special Activity/Event)
Since the year 2000 the callsign OZ5HCA has been used one week in Apr to mark the birthday of the world famous fairy tale writer Hans Christian Andersen. On the 2nd of Apr this year he would have become 200 years old and therefore the callsign OZ5HCA will be used during the entire month of Apr. The callsign will be used by members of the EDR Odense Branch OZ3FYN. The EDR Odense Branch has been issuing the Hans Christian Andersen Award since the year 2000. This year will be the last chance to make QSOs for this award because it is the last time the callsign will be used. The rules can be found on the Web page at http://www.oz3fyn.dk/diplom-hcaGB.html

XX9, MACAO
Hirotada JA0SC informs OPDX that he will be visiting here and will be active on the digital modes as well as participate in the NVCG SSTV Contest during the first weekend of Apr. He will also operate before and after the contest between Apr 7-11. Hirotada will receive his callsign after his arrival in Macao. Look for him on 20 15 and 10 meters SSTV and RTTY. QSL direct to his home callsign (address on (QRZ.com)).

IDENT DE VK2CTD VK2CTD

The Society can be contacted in the following ways:
To Pat VK2JPA via vk2jpa at wia.org.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN